

LESSON 4

Build your Traffic Lights

10 minutes

Building Basic Robotic Systems

WHAT THIS LESSON DOES

In this lesson, you'll assemble your own traffic lights using a Microbit Traffic Lights Kit. You'll start by gathering your materials, then open the package and construct the stand. Finally, you'll attach the Microbit to the traffic lights, ensuring the correct alignment.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Identify and gather necessary components for the Microbit Traffic Lights Kit.
- Understand and execute the process of unpacking and preparing the kit.
- Develop skills in assembling the stand for the traffic lights.
- Apply knowledge of Microbit to correctly align and attach it to the traffic lights.
- Demonstrate the ability to follow step-by-step instructions to complete a technical task.

BEFORE THE BELL

- Ensure students have all necessary materials, including the Microbit Traffic Lights Kit, a Microbit, and a Phillips head screwdriver. Guide them through opening the package and assembling the stand. Assist them in correctly positioning the Microbit on the traffic lights, ensuring they align the holes correctly. Supervise as they use the screwdriver to secure the Microbit. Celebrate their accomplishment once completed.

Build your Traffic Lights

HOW THE LESSON RUNS

What you need

Open up the package

Make the stand

Screw on the Microbit